Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of the claims in the application.

In the Claims

1-73. (Cancelled)

74. (Currently amended) A balloon catheter having a proximal end and a distal end, comprising

a catheter shaft;

a balloon having a proximal end and a distal end, the balloon disposed on the catheter shaft such that a length of the catheter shaft extending between the proximal end of the catheter shaft and the proximal end of the balloon has no balloons attached thereto,

A component of a catheter shaft, wherein the component of the catheter shaft includes a region that comprises a polyamide having a tensile strength of at least about 21,000 psi, wherein the region of the component is tube-shaped and has a wall thickness of about 0.001 inch to about 0.04 inch, wherein the region is at least partially disposed proximally of the proximal end of the balloon.

75-76. (Cancelled)

- 77. (Currently amended) The <u>balloon catheter</u> emponent of claim 74, wherein the <u>component region</u> comprises a first layer and a second layer, the first layer having a different flexibility from the second layer.
- 78. (Currently amended) The <u>balloon catheter</u> component of claim 74, wherein the tensile strength of the polyamide is at least about 22,500 psi.
- 79. (Currently amended) The <u>balloon catheter</u> component of claim 74, wherein the polyamide has a hoop stress of at least about 3300 psi.

80. (Currently amended) A tube-shaped portion of a catheter shaft, the tube-

shaped portion including a region comprising a polyamide having a tensile strength of at least

about 21,000 psi, the region having a wall thickness of about 0.001 inch to about 0.04 inch,

wherein the tube shaped portion is not a component of a balloon.

81. (Original) The tube-shaped portion of claim 80, wherein the tube-shaped

portion comprises a first layer and a second layer, the first layer having a different flexibility

from the second layer.

82. (Previously presented) The tube-shaped portion of claim 80, wherein the

tensile strength of the polyamide is at least about 22,500 psi.

83. (Previously presented) The tube-shaped portion of claim 80, wherein the

polyamide has a hoop stress of at least about 3300 psi.

84. (Currently amended) A balloon catheter having a proximal end and a distal

end, comprising

a catheter shaft;

a balloon having a proximal end and a distal end, the balloon disposed on the catheter

shaft such that a length of the catheter shaft extending between the proximal end of the

catheter shaft and the proximal end of the balloon has no balloons attached thereto,

A component of a catheter shaft, wherein the component of the catheter shaft includes

a region that comprises a polyamide having a hoop stress of at least about 3300 psi, wherein

the region of the component is tube-shaped and has a wall thickness of about 0.001 inch to

about 0.04 inch, wherein the region is at least partially disposed proximally of the proximal

end of the balloon.

85-86. (Cancelled)

Page 3 of 10

- 87. (Currently amended) The <u>balloon catheter</u> eomponent of claim 84, wherein the <u>region</u> eomponent comprises a first layer and a second layer, the first layer having a different flexibility from the second layer.
- 88. (Currently amended) The <u>balloon catheter</u> component of claim 84, wherein the hoop stress of the polyamide is at least about 3500 psi.
- 89. (Currently amended) A tube-shaped portion of a catheter shaft, the tube-shaped portion including a region that comprises a polyamide having a hoop stress of at least about 3300 psi, the region having a wall thickness of about 0.001 inch to about 0.04 inch, wherein the tube shaped portion of the catheter shaft is not a component of a balloon.
- 90. (Original) The tube-shaped portion of claim 89, wherein the tube-shaped portion comprises a first layer and a second layer, the first layer having a different flexibility from the second layer.
- 91. (Previously presented) The tube-shaped portion of claim 89, wherein the hoop stress of the polyamide is at least about 3500 psi.

92-129. (Cancelled)

- 130. (Currently amended) The <u>balloon catheter</u> component of claim 74, wherein the polyamide comprises a copolymer.
- 131. (Previously presented) The tube-shaped portion of a catheter of claim 80, wherein the polyamide comprises a copolymer.
- 132. (Currently amended) The <u>balloon catheter</u> component of claim 84, wherein the polyamide comprises a copolymer.

Application No. 10/669,059 Amendment dated SEPTEMBER 11, 2008 Reply to Final Office Action dated June 9, 2008

133. (Previously presented) The tube-shaped portion of a catheter of claim 89, wherein the polyamide comprises a copolymer.

134-139. (Cancelled)

- 140. (Currently amended) The <u>balloon catheter</u> component of claim 74, wherein the region has a wall thickness of about 0.001 inch to about 0.003 inch.
- 141. (Previously presented) The tube-shaped portion of a catheter shaft of claim 80, wherein the region has a wall thickness of about 0.001 inch to about 0.003 inch.
- 142. (Currently amended) The <u>balloon catheter</u> component of claim 84, wherein the region has a wall thickness of about 0.001 inch to about 0.003 inch.
- 143. (Previously presented) The tube-shaped portion of a catheter shaft of claim 89, wherein the region has a wall thickness of about 0.001 inch to about 0.003 inch.
- 144. (New) The balloon catheter of claim 74, wherein the region defines a distal inner lumen that extends through the balloon.
- 145. (New) The balloon catheter of claim 144, wherein the distal inner lumen is a guide wire lumen.
- 146. (New) The balloon catheter of claim 74, further comprising a guide wire hub and wherein the region is a mid-shaft portion having a proximal end longitudinally separated from the guide wire hub and a distal end longitudinally separated from the balloon.
- 147. (New) The balloon catheter of claim 74, wherein the region defines a lumen in fluid communication with the balloon for carrying inflation fluid.

Application No. 10/669,059 Amendment dated SEPTEMBER 11, 2008 Reply to Final Office Action dated June 9, 2008

- 148. (New) The balloon catheter of claim 74, wherein the region defines an outer wall of the catheter shaft.
- 149. (New) The balloon catheter of claim 148, wherein the region is attached to a proximal waist of the balloon.
- 150. (New) The balloon catheter of claim 74, wherein the region as a wall thickness of about 0.003 inch to about 0.04 inch.
- 151. (New) The balloon catheter of claim 80, wherein the region as a wall thickness of about 0.003 inch to about 0.04 inch.
- 152. (New) The balloon catheter of claim 84, wherein the region as a wall thickness of about 0.003 inch to about 0.04 inch.
- 153. (New) The balloon catheter of claim 89, wherein the region as a wall thickness of about 0.003 inch to about 0.04 inch.